



# Offshore drilling rig wikipedia

What is an offshore drilling rig?

Offshore drilling rigs have similar elements, but are configured with a number of different drilling systems to suit drilling in the marine environment. The equipment associated with a rig is to some extent dependent on the type of rig but typically includes at least some of the items listed below.

What are the different types of offshore drilling rigs?

These include bottom-founded drilling rigs (jackup barges and swamp barges), combined drilling and production facilities, either bottom-founded or floating platforms, and deepwater mobile offshore drilling units (MODU), including semi-submersibles and drillships. These are capable of operating in water depths up to 3,000 metres (9,800 ft).

Where does offshore drilling take place?

Historically, offshore drilling began by extending known coastal oil- and gas-producing trends out into the ocean. For this reason, most US offshore drilling has taken place offshore Louisiana, Texas, California, and Alaska, areas with coastal onshore oil and gas fields.

What was the first offshore mobile drilling rig?

The first offshore mobile drilling platform was the Hayward-Barnsdall Breton Rig 20, first operated in 1949. This rig had evolved from the inland drilling barges which were used to drill in marshes and protected waters in up to 10 feet of water. The Breton Rig 20 was 160 feet by 85 feet, and could work in 20 feet water depth.

When did oil rigs become a business?

Before the leasing of oil and gas rights in 1955, oil companies cored with small rigs cantilevered over the side midship of old World War II barges. These barges did not have well-control equipment or the ability to run a casing program.

What are oil and natural gas drilling rigs used for?

In the background are the Discoverer Enterprise, GSF Development Driller II, and Helix Producer I. Oil and natural gas drilling rigs are used not only to identify geologic reservoirs, but also used to create holes that allow the extraction of oil or natural gas from those reservoirs.

ARO Drilling is a joint venture between Saudi Aramco and Valaris, delivering high-performance offshore drilling solutions in the Kingdom.

I. What is Offshore Drilling? Offshore drilling is the process of extracting petroleum and natural gas from underground reservoirs located beneath the seabed, typically in oceans, seas, or ...

Exploration drilling to map the field began in the 1960s [1]: 39 and continued into the 1980s, with the loss of



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the Ocean Ranger mobile offshore drilling unit (MODU) in the process. In the mid ...

Platforms offshore Mexico. Offshore geotechnical engineering is a sub-field of geotechnical engineering. It is concerned with foundation design, construction, maintenance and ...

This type of rig is commonly used in connection with oil and/or natural gas drilling. There are more jackup rigs in the worldwide offshore rig fleet than other type of mobile offshore drilling rig. ...

Pre-explosion risks and precautions Deepwater Horizon drilling rig before the explosion In February 2009, BP filed a 52-page exploration and environmental impact plan for the Macondo ...

Submersible drilling rig A submersible drilling rig is a marine vessel design that can be floated to location and lowered onto the sea floor for offshore drilling activities.

This article lists the main components of a petroleum onshore drilling rig. Offshore drilling rigs have similar elements, but are configured with a number of different drilling systems to suit ...

This is a list of the tallest oil platforms over 300 m (984 ft) in height. It includes compliant towers, condeep gravity-based structures, and fixed platforms, but not other types of oil platform, ...

Offshore oil spill prevention and response Inspector on offshore oil drilling rig Offshore oil spill prevention and response is the study and practice of reducing the number of offshore incidents ...

Seadrill is an offshore drilling contractor providing worldwide offshore drilling services to the oil and gas industry. Its primary business is the ownership and operation of drillships, semi ...

Songa Mercur Songa Delta as Deepsea Delta in 2006 Songa Offshore SE is a European offshore drilling contractor founded in 2005 with offices in Cyprus, Stavanger, Oslo, Houston, Kuala ...

It is the largest offshore drilling and well drilling company in the world. As of February 2025, it owned 52 rigs, including 36 offshore jackup rigs, 11 drillships, and 5 semi-submersible platform ...

Pride International, Inc. was an offshore oil drilling company headquartered in Houston, Texas. As of February 2011, it operated 26 drilling rigs. [1] In May 2011, it was acquired by Ensco (now ...

Diamond Offshore Drilling, Inc. is an offshore drilling contractor. The company is headquartered in Katy, Texas, United States, and has major offices in Australia, Brazil, Mexico, Scotland, ...

Deepwater Horizon was a 10-year-old [30] semi-submersible, mobile, floating, dynamically positioned drilling rig that could operate in waters up to 10,000 ft (3,000 m) deep. [31] Built by ...



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Nabors Industries Limited is an American global oil and gas drilling contractor based in Houston, Texas. Nabors operates the world's largest land drilling rig fleet, with over 300 rigs operating in ...

Production started on 5 October 2019. As of January 2015, the North Sea was the world's most active offshore drilling region, with 173 active rigs drilling. [10] By May 2016, the North Sea oil ...

A fixed platform base under construction on a Louisiana river A fixed platform is a type of offshore platform used for the extraction of petroleum or gas. These platforms are built on concrete ...

Dolphin Drilling Holdings Limited is an offshore drilling rig company headquartered in Aberdeen, Scotland, United Kingdom with its main subsidiary Dolphin Drilling AS located in Sandnes, ...

Deepwater Nautilus is an ultra-deepwater, semi-submersible offshore drilling rig. Built in 2000 in South Korea, she is owned by Transocean, registered in Vanuatu, and currently leased to ...

Between 1917 and 1959 Smedvig was also in the canning industry. In the 1960s the company entered the oil age with investments in supply ships, oil tankers and in 1973 the first drilling rig. ...

34.3898°N 119.9065°W. Oil wells on wharves built out over the ocean, Summerland oil field, 1902. Known oil and gas fields in federal waters, ...

Offshore drilling is a process where a oil and fossil fuels are drilled below the ocean or sea. This is very controversial as many believe it causes climate change and its harmful to the ...

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Noble Corporation plc is an offshore drilling contractor organized in London, England. Its affiliate, Noble Corporation, is organized in the Cayman Islands. It is the corporate successor of Noble ...

By 1921, steel piers were being used in Rincon and Elwood (California) to support land-type drilling rigs. In 1932, a steel-pier island (60 ...

Offshore oil and gas in the United States provides a large portion of the nation's oil and gas supply. Large oil and gas reservoirs are found under the sea offshore from Louisiana, Texas, ...

Explore the offshore oil & gas industry--covering rigs, platforms, supply vessels, operations, and maritime links. Ideal for students, professionals, and energy sector ...

Protests against Arctic drilling began in Seattle in 2015 in response to the news that the Port of Seattle authority made an agreement with Royal Dutch Shell to berth offshore drillships and ...



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United States offshore drilling debate Federal offshore areas withdrawn from oil and gas leasing. The United States offshore drilling debate is an ongoing debate in the United States about ...

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